

Listing Of The Claims:

This listing of claims will replace all prior version, and listings, of claims in the application. Where claims have been amended and/or canceled, such amendments and/or cancellations are done without prejudice and/or waiver and/or disclaimer to the claimed and/or disclosed subject matter, and the applicant and/or assignee reserves the right to claim this subject matter and/or other disclosed subject matter in a continuing application.

1. (Currently Amended) A light guide plate structure ~~applied to a back light module and adapted to transform a liner light source into a plate light source, the guide light source structure~~ comprising:
a light guide plate, comprising at least one light incident surface, a light scattering surface and a light emitting surface, wherein the light incident surface is on a sidewall of the light guide plate, the light scattering surface is on a bottom surface of the light guide plate, the light emitting surface is on a top surface of the light guide plate, wherein the light scattering surface has a plurality of notches; and
a plurality of transparent elements, disposed within the plurality of notches, wherein a reflective index of the plurality of transparent elements is different from that of the light guide plate.
2. (Currently Amended) The light guide plate structure of claim 1, wherein the plurality of transparent elements ~~is comprised of~~ comprises a glass or an acrylic material.
3. (Currently Amended) The light guide plate structure of claim 1, wherein the light guide plate is a mesa light guide plate, the plurality of transparent elements have different sizes, the plurality of transparent elements are disposed on the light scattering surface at least partially in sequence by the size thereof, and bottom surfaces of the plurality of transparent elements are substantially ~~on a same surface~~ coplanar.

4. (Currently Amended) A back light ~~module adapted to provide a plate light source, the back light module for a display~~ comprising:

a light guide plate structure, comprising: a light guide plate, comprising at least one light incident surface, a light scattering surface and a light emitting surface, wherein the light incident surface is on a sidewall of the light guide plate, the light scattering surface is on a bottom surface of the light guide plate, the light emitting surface is on a top surface of the light guide plate, and wherein the light scattering surface has a plurality of notches;

a plurality of transparent elements, disposed within the plurality of notches, wherein a reflective index of the plurality of transparent elements is different from that of the light guide plate; and

a liner light source next to the light incident surface of the light guide plate, ~~wherein light from the liner light source transmits the light incident surface and enters into the light guide plate, and the light scattering surface passes the light to the light emitting surfaces and out thereof.~~

5. (Currently Amended) The back light ~~module~~ of claim 4, wherein the plurality of transparent elements ~~is comprised of~~ comprises a glass or an acrylic material.

6. (Currently Amended) The back light ~~module~~ of claim 4, wherein the light guide plate is a mesa light guide plate, the plurality of transparent elements have different sizes, the plurality of transparent elements are disposed on the light scattering surface at least partially in sequence by the size thereof, and bottom surfaces of the plurality of transparent elements are substantially ~~on a same surface~~ coplanar.

7. (New) An apparatus, comprising:

a light guide plate, comprising at least one light incident surface, a light scattering surface and a light emitting surface, wherein the light incident surface is on a sidewall of the light guide plate, the light scattering surface is on a bottom surface of the light guide plate, and the light emitting surface is on a top surface of the light guide plate;

two or more transparent elements, disposed at least partially within the light guide plate, wherein a reflective index of the two or more transparent elements is different from that of the light guide plate; and

wherein the two or more transparent elements have different sizes, the two or more transparent elements are disposed at least partially within the light guide plate at least partially in sequence by size, and bottom surfaces of the two or more transparent elements are substantially coplanar.

8. (New) The apparatus of claim 7, wherein the two or more transparent elements comprise a glass material or an acrylic material.

9. (New) An apparatus, comprising:

a light guide plate, comprising at least one light incident surface, a light scattering surface and a light emitting surface, wherein the light incident surface is on a sidewall of the light guide plate, the light scattering surface is on a bottom surface of the light guide plate, and the light emitting surface is on a top surface of the light guide plate; and

one or more transparent elements, disposed at least partially within the light guide plate, wherein a reflective index of the one or more transparent elements is different from that of the light guide plate.

10. (New) The apparatus of claim 9, wherein the one or more transparent elements comprise a glass material or an acrylic material.

11. (New) The apparatus of claim 9, further comprising a brightness enhancement film positioned adjacent the top surface of the light guide plate, the brightness enhancement film capable of modifying luminance of the light guide plate.

12. (New) The apparatus of claim 9, further comprising a diffusion sheet positioned adjacent the top surface of the light guide plate, the diffusion sheet capable of modifying luminance of the light guide plate.

13. (New) The apparatus of claim 9, further comprising a liner light source next to the light incident surface of the light guide plate.

14. (New) A method, comprising:

reflecting light off of a light scattering surface of a light guide plate; and

reflecting light off of one or more transparent elements disposed at least partially within the light guide plate at a refractive index different from that of the light guide plate.

15. (New) The method of claim 14, wherein the one or more transparent elements comprise a glass material or an acrylic material.

16. (New) The method of claim 14, further comprising modifying luminance brightness of light exiting a light emitting surface of the light guide plate.

17. (New) The method of claim 14, further comprising modifying luminance diffusion of light exiting a light emitting surface of the light guide plate.

18. (New) The method of claim 14, further comprising transmitting light into a light incident surface of the light guide plate.

19. (New) An apparatus, comprising:

a light guide plate, comprising at least one light incident surface, a light scattering surface and a light emitting surface, wherein the light incident surface is on a sidewall of the light guide plate, the

light scattering surface is on a bottom surface of the light guide plate, and the light emitting surface is on a top surface of the light guide plate; and
means for scattering light through the light guide plate at a refractive index different from that of the light guide plate.

20. (New) The apparatus of claim 19, wherein the means for scattering light are disposed at least partially within the light guide plate.